

Fig. 1

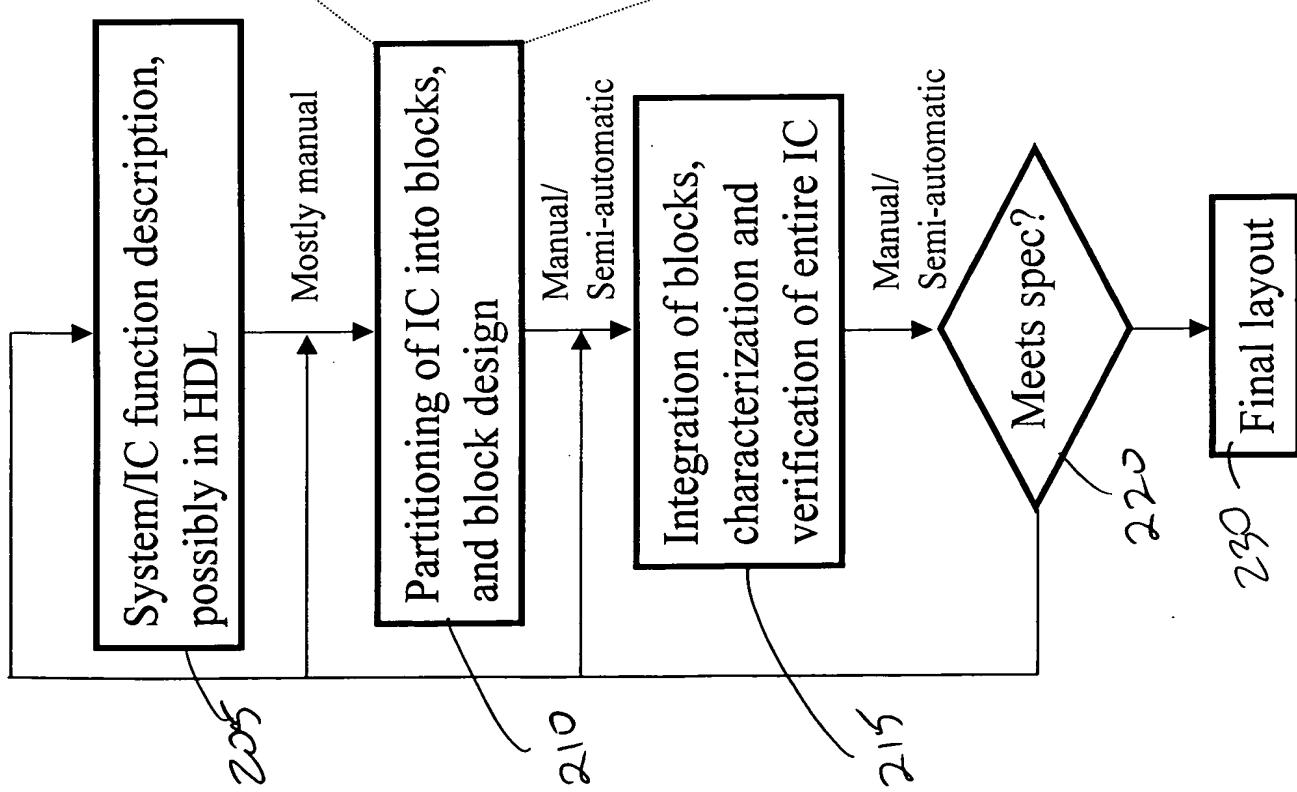
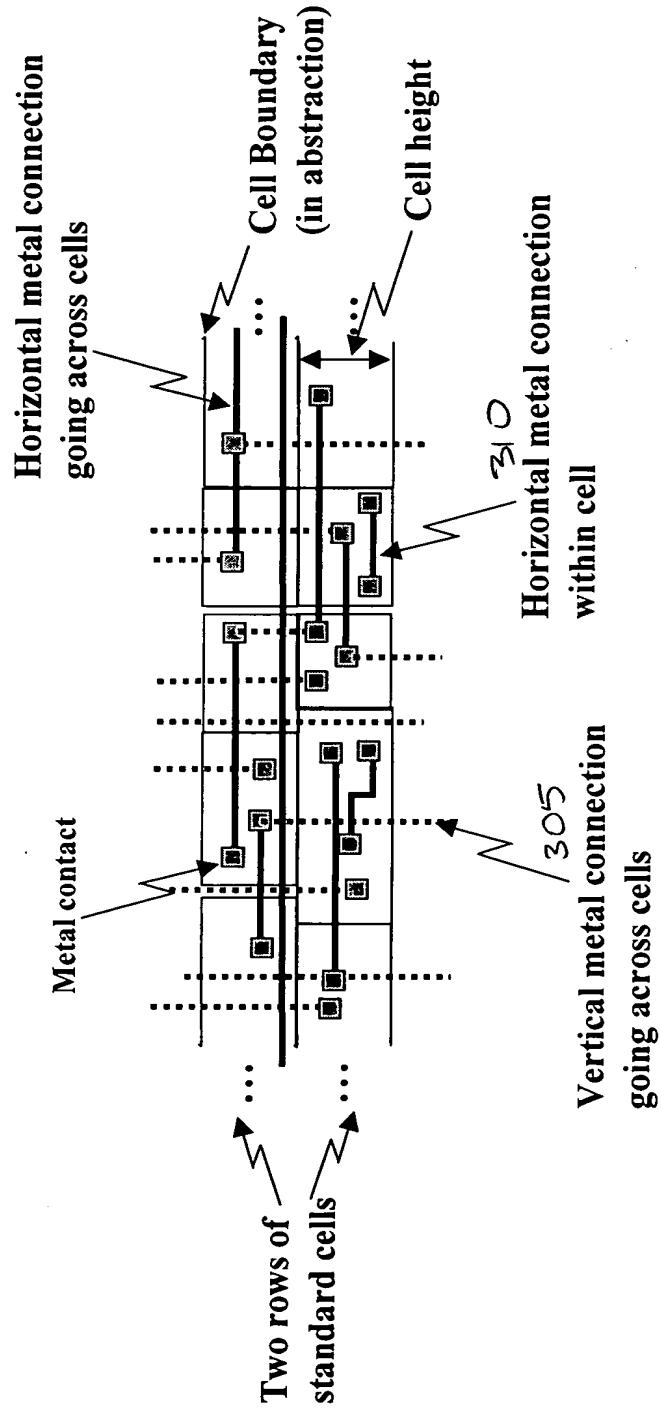


Fig. 2



Snapshot of a portion of typical modern standard-cell based design, depicting two rows of standard cells, and over-the-cell routing of interconnects, assuming 3 layers of metal connection; actual orientation of “horizontal” and “vertical” is design-specific.

Fig. 3

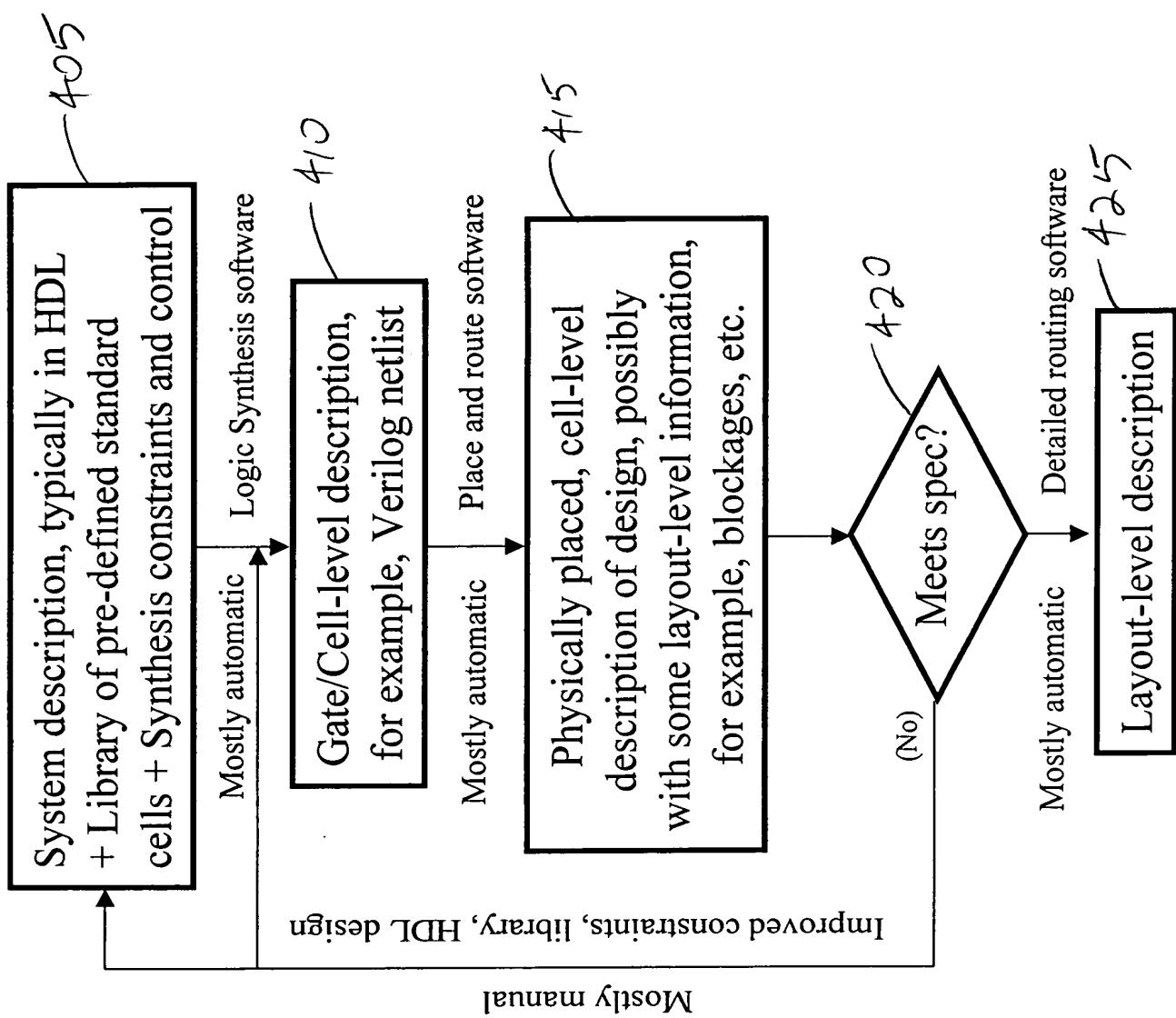


Fig. 4

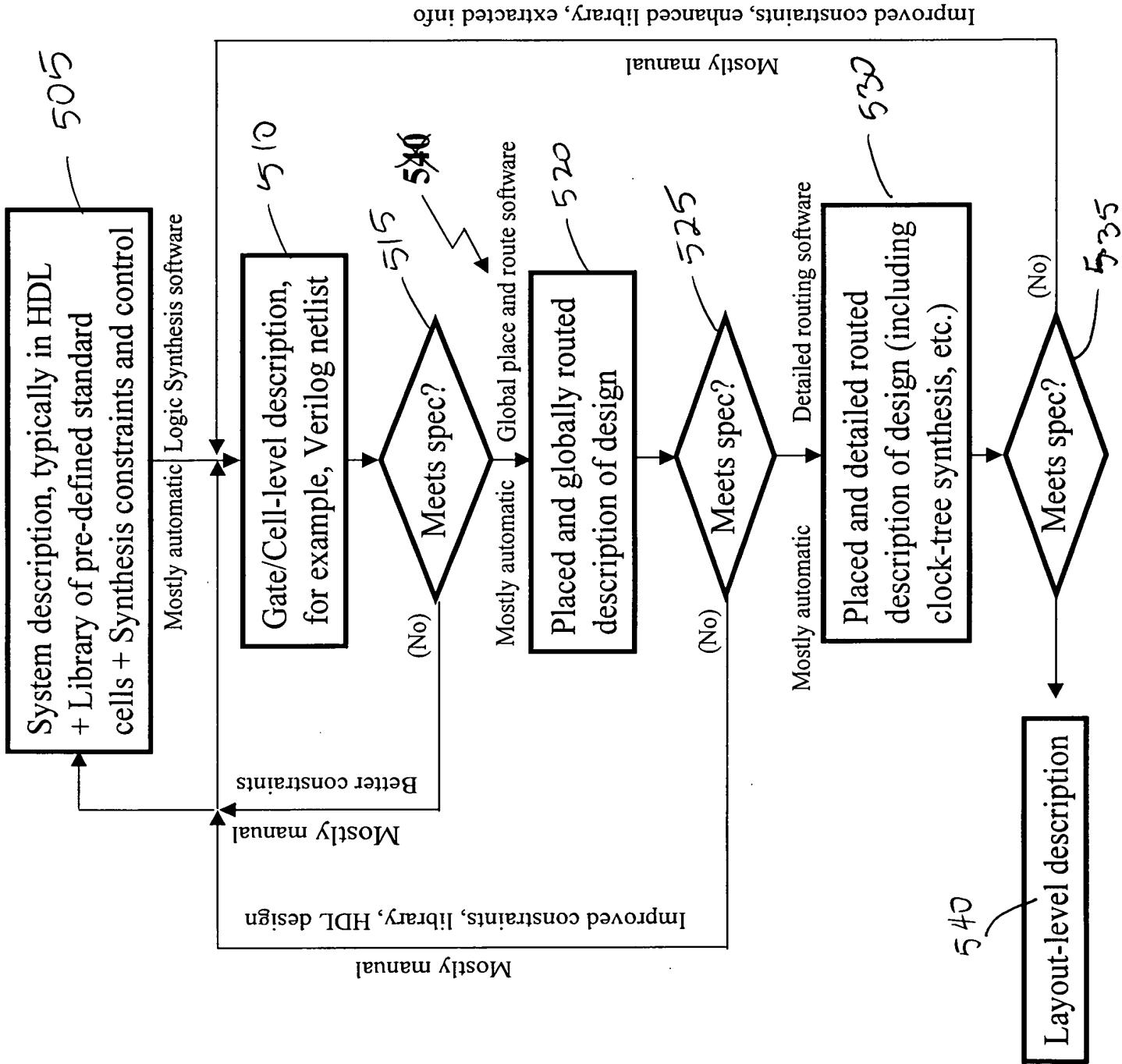


Fig. 5

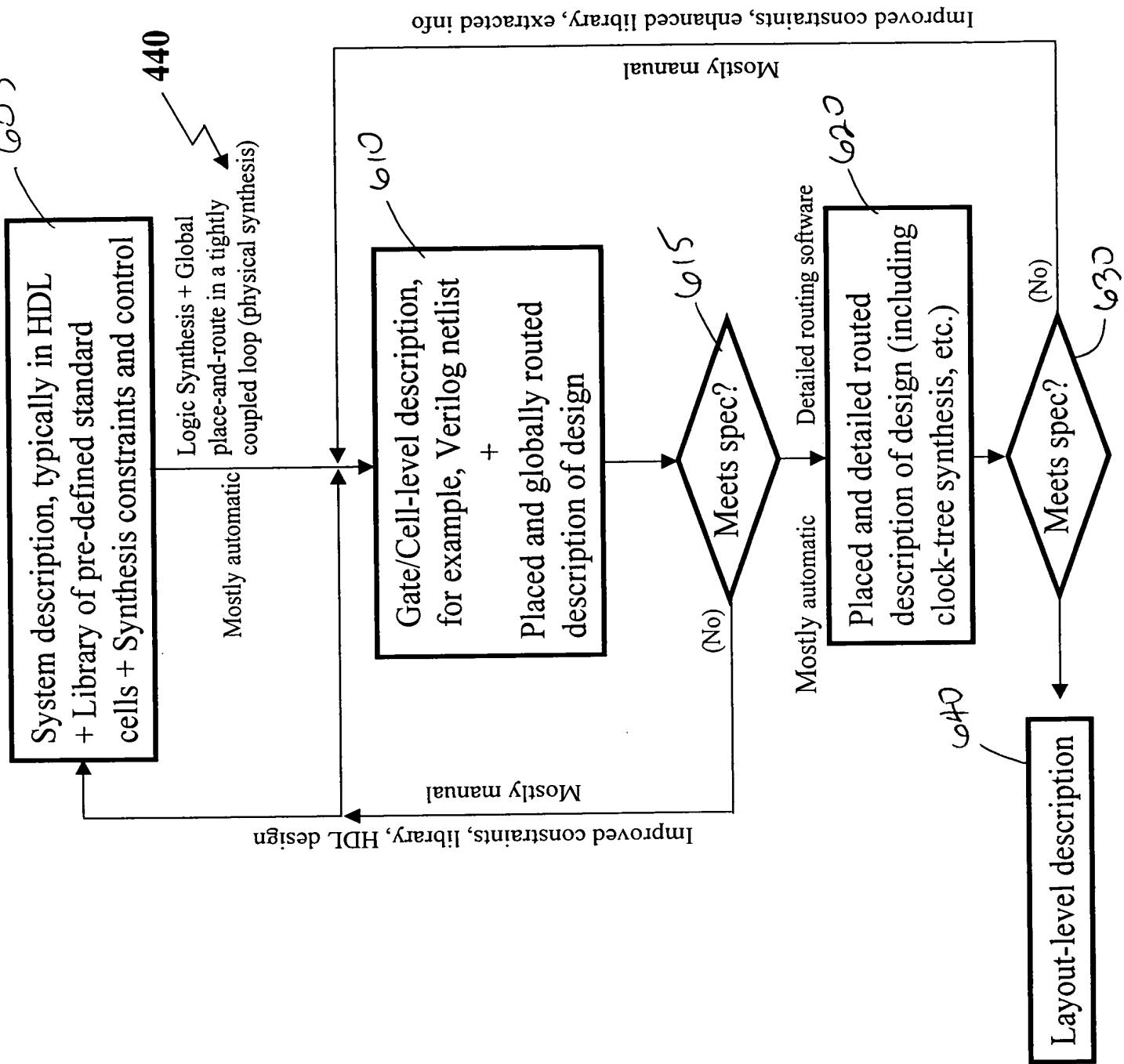


Fig. 6

700

TODAY'S DESIGN FLOW

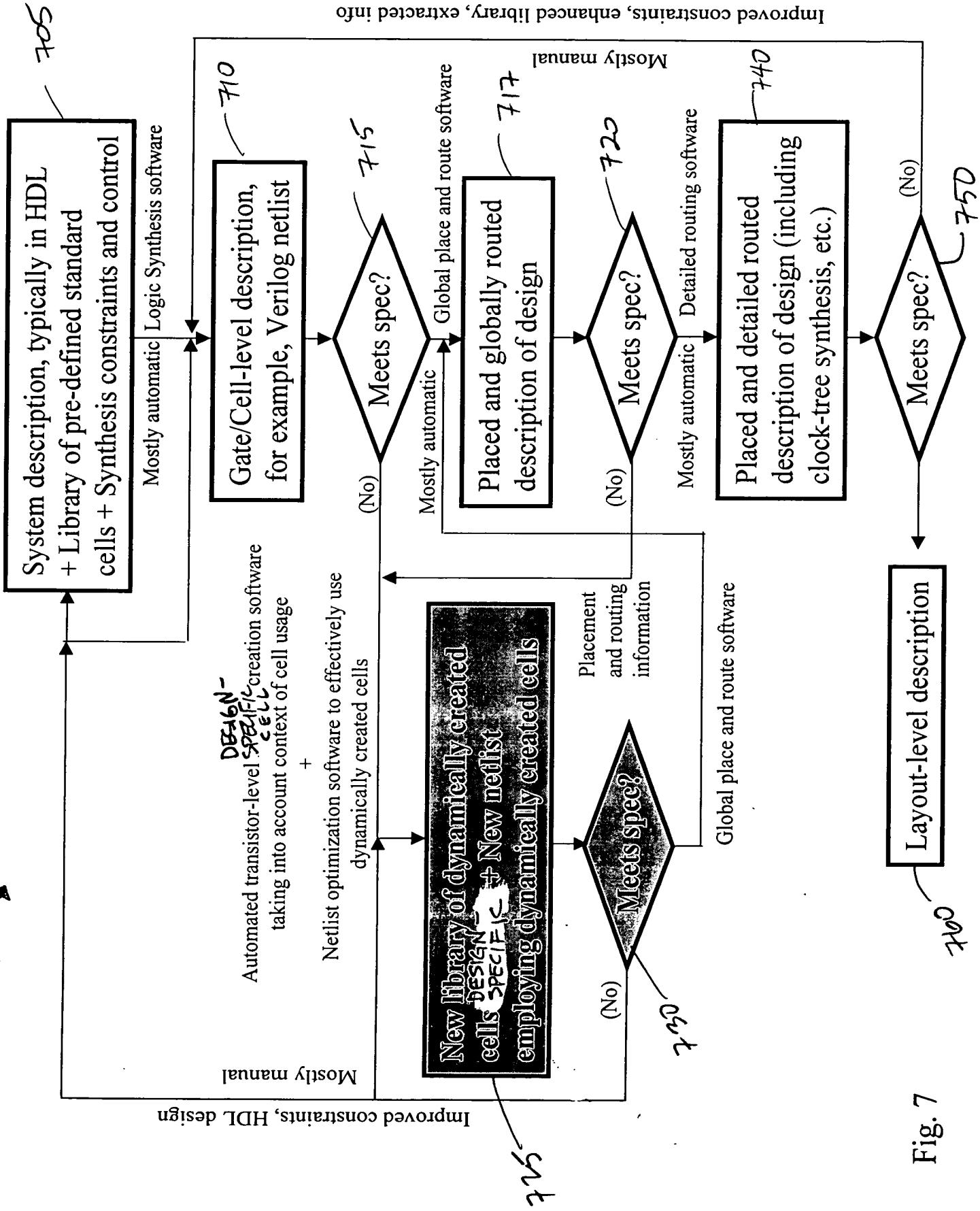
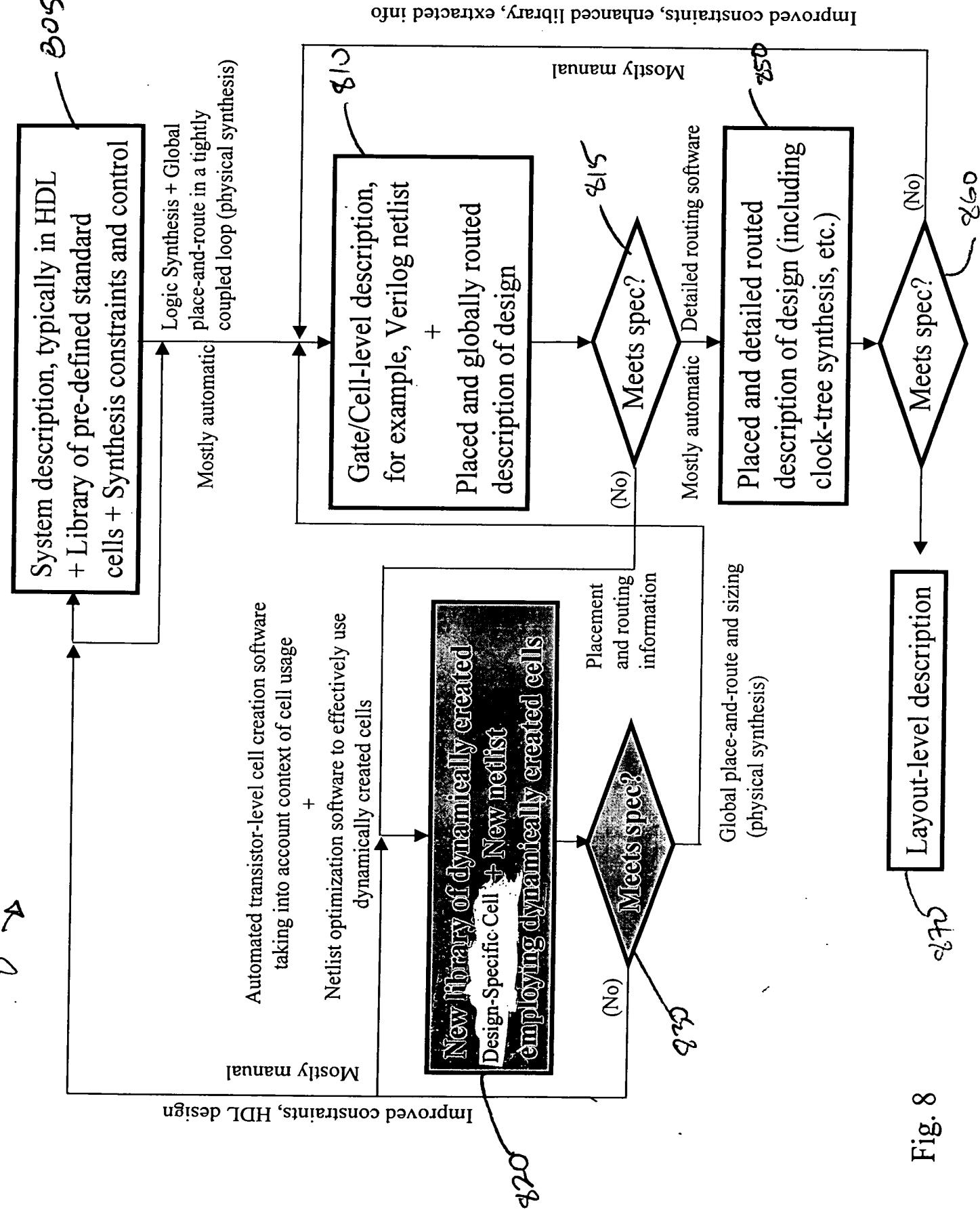


Fig. 7

Fig. 8



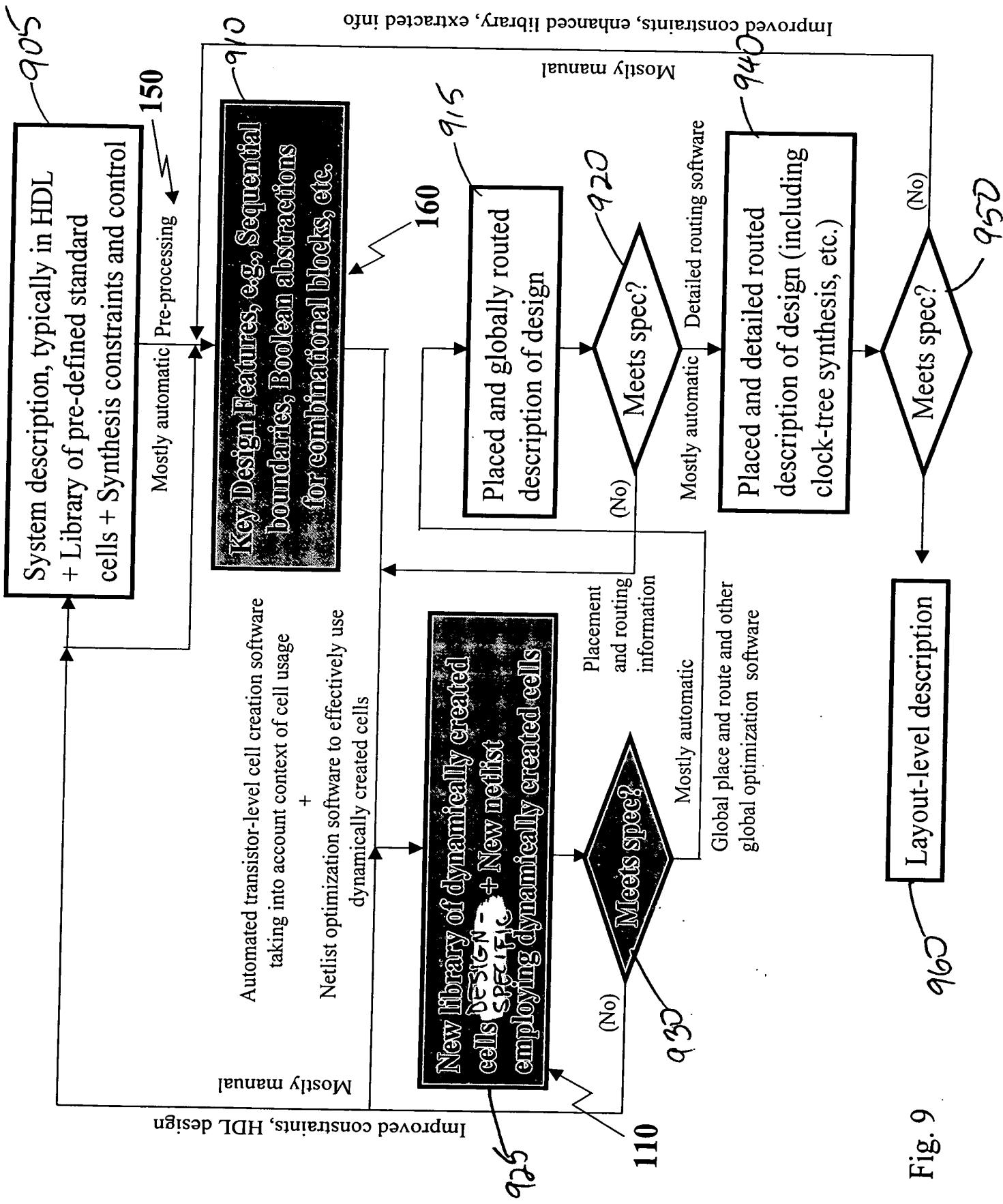


Fig. 9

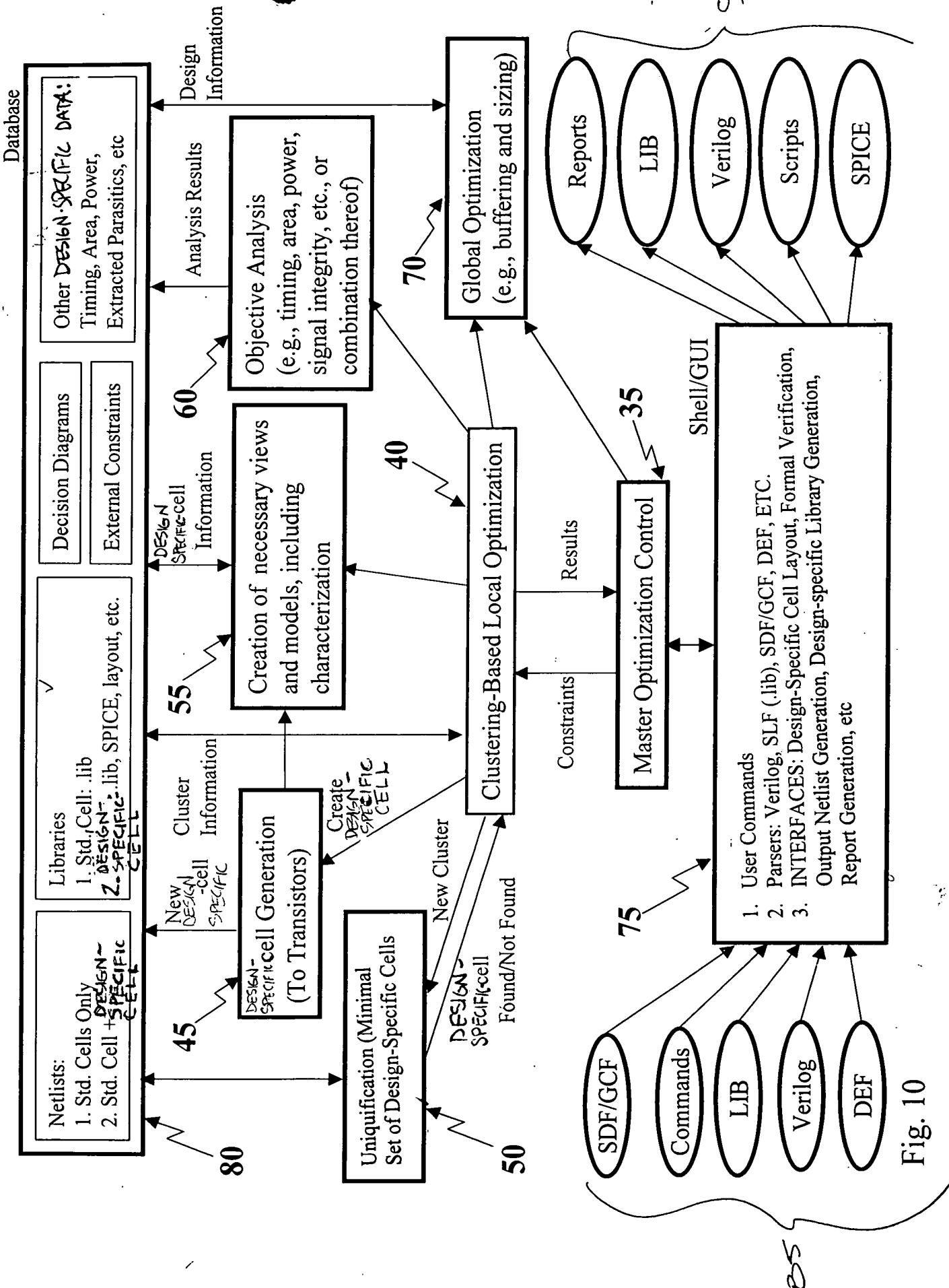


Fig. 10